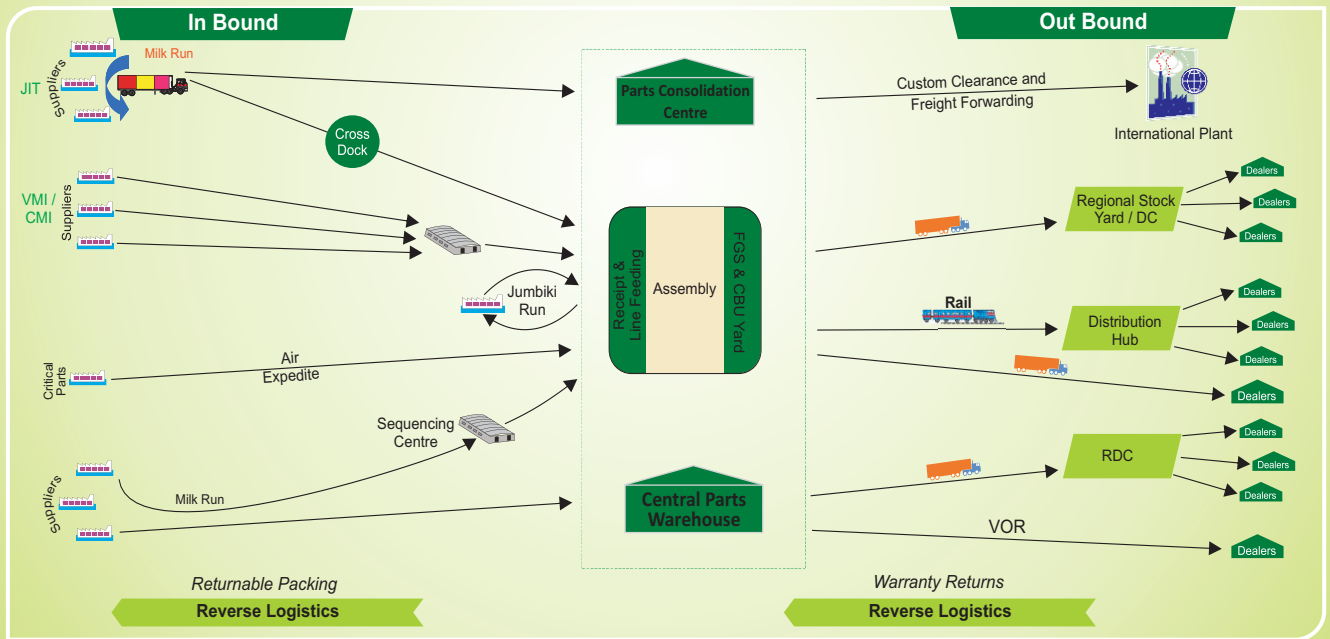


## EMERGING FACE OF AUTO INDUSTRY

In today's competitive business environment, automobile companies world wide are shifting their attention towards understanding and implementing extended supply chain management that integrates the product, process and information flows within and across organizational boundaries.

In such a scenario, there is a pertinent need to understand and evaluate supply chain metrics followed by Auto and Auto Ancillary industries in India and benchmark them with the best practices within and across the global industry to bring improvements in the existing system.



### Inbound Logistics (IBL)

IBL is a confluence of physical and IT network based on a carefully crafted Network Design with clear-cut Logistics Protocols. It also involves high level of Supplier-OEM coordination which is bridged by TCI SCS as the Lead Logistics Provider (LLP).

IBL is a built- to suit model progressing from Traditional to Vendor / Co-Managed Inventory (VMI/CMI) and Just in Time / Just in Sequence (JIT/JIS).

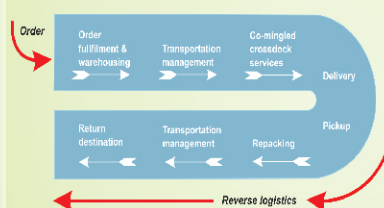


### In Plant Logistics



- Kitting, Light Assembly
- De-boxing
- Line feeding
- Managing In-plant Stores (Raw material)
- Managing Finished Goods Yard/ Warehouse

### Reverse Logistics



- Optimization/ Elimination of Packing Material
- Bin Designing for Returnable's
- Returnable's management

## CBU Outbound Logistics (OBL)



The Distribution of CBU (Completely Built Units) is a function of customized rolling stock and the challenges of Sales Forecasting and Regional imbalances.

At TCI SCS, CBU logistics has been developed into a science by a 4 x 3 matrix covering Vehicle, Driver, Carrier & CBU and SOP's based on Best Practices across the industry.

The Hub-and-spoke model is being promoted by TCI SCS on a multi-modal platform to complement the existing direct-to-dealer truck model.

For faster response to customers as well as shifting inventory from manufacturing yards, the yard concept is already in vogue in some sub-verticals of the auto industry

## After Market - Distribution Center & Spares Logistics



Warehouse management is a Core business at TCI SCS and over 8.0 Mn Square Feet of covered space is managed for clients across Industry Verticals.

Best practices in Modern warehousing include high-vertical racked warehouses with RF enabled put away and picking with state of the art WMS.

Value added services include Kitting, Labeling, Packing, Order management, Warranty management, Banking, Road Permit management, Carrier Management, Excise and Customs Documentation.

## Supply Chain Consulting and Network Design



Our typical engagements start with conceiving the network or business process reengineering. This service is now available as a stand-alone business vertical and we bring to the table an understanding of over 45 Supply chains across the globe which have been studied by our team first-hand along with ground knowledge and best practices from years of implementation.

TCI's Supply Chain experts not only develop strategies that can improve a supply chain performance but also helps the client in implementing them – we take full accountability for successful completion and sustainability of the results.

Our Network Modeling incorporates future changes in the distribution structure due to introduction of GST / VAT. Our services ranges from:

- Supply Chain Strategy Design
- Distribution Network Modeling and Optimization
- Demand Fulfillment Strategy
- Inventory Planning, Management and Reduction
- Performance Measurement and Reporting
- Warehouse / DC Design

## Sub Verticals in Auto Logistics



SUV's and MUV's



Two Wheelers



Commercial Vehicles



Three Wheelers



Earth Moving and Construction Equipments



Tractors and Farm Equipment



Auto Components (Tier-I)



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